Established 1981

Advanced Test Equipment Rentals
www.atecorp.com 800-404-ATEC (2832)

Ribbon All In One Fusion Splicer

US Patent 11/912,109

Swift-R5

The Revolution of a Splicer

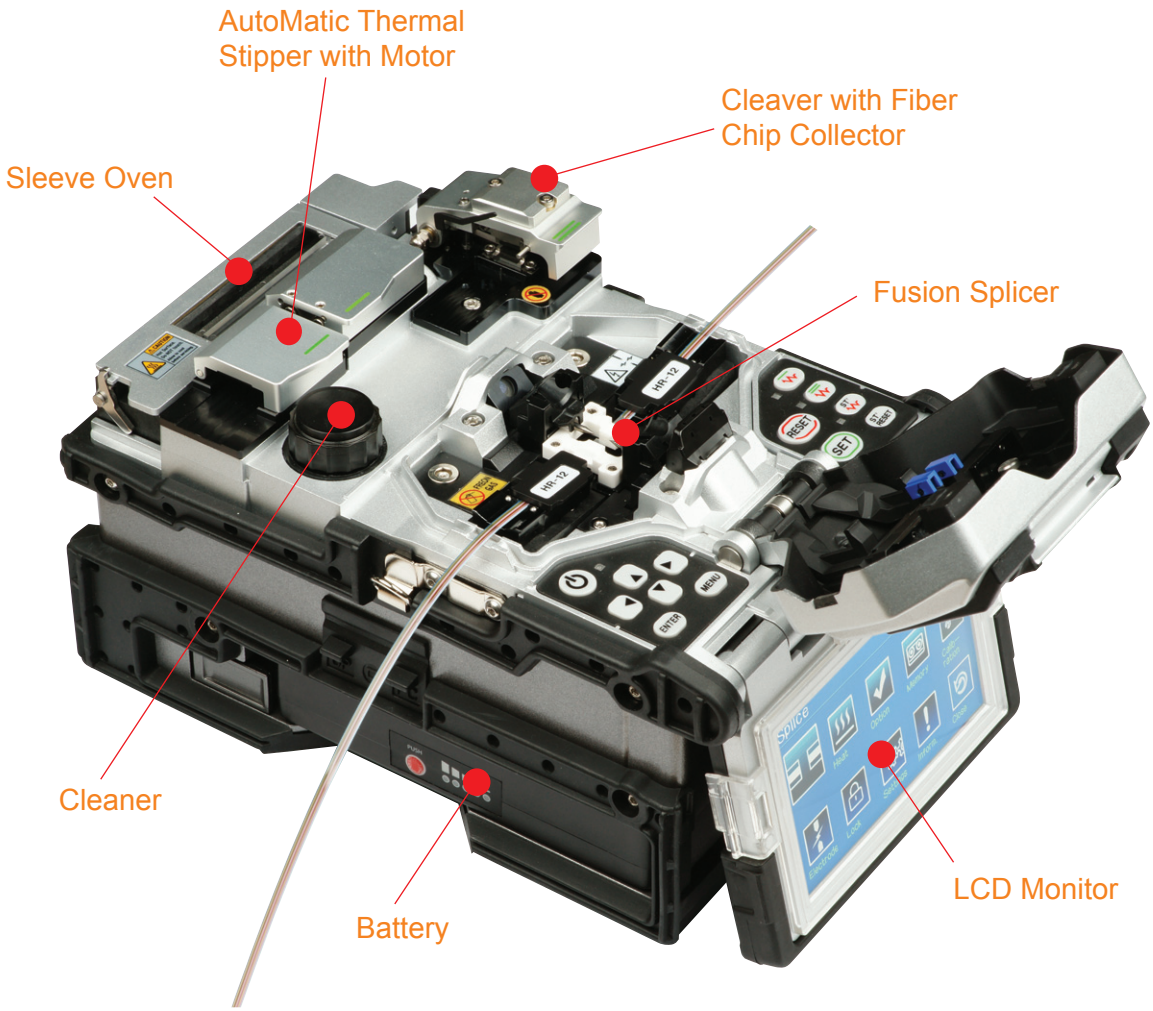
Features

- Integrated to All In One
- Rugged Design Against Shock, Dust, Rain
- Long Battery Life more than 320times Full-Cycles
- Dual Sleeve Heater
- No Scratches on Bare Fiber by Heating Stripping
- Navigational Touch Screen with 4.3 Color Monitor
- Attached Sleeve Loader
- Compatible for SOC Connector (Option)

ILSINTECH
HIGH PRECISION TECHNOLOGY

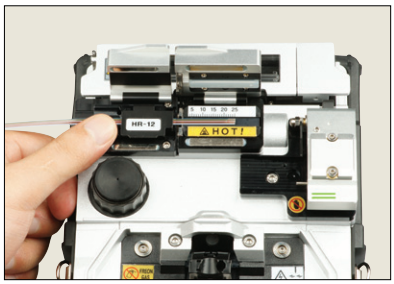
Swift-R5

The Swift R5's ergonomic design enables the user to complete all five processes of optical fiber splicing (stripping, cleaning, cleaving, splicing and sleeving) quickly and conveniently. The All In One design eliminates the need for a large work space of a traditional fusion splicer design that uses all of the prep tools (manual stripper, cleaver, alcohol bottle) separately. Also, the automatic thermal stripper conveniently strips 250um and 900um without scratching the fiber that is typical when using hand held mechanical fiber strippers. This, in turn, reduces the chances of failure that may be caused by the scratches introduced when using mechanical strippers.



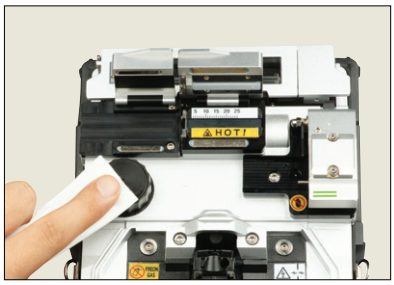
Benefits and Features

Swift-R5



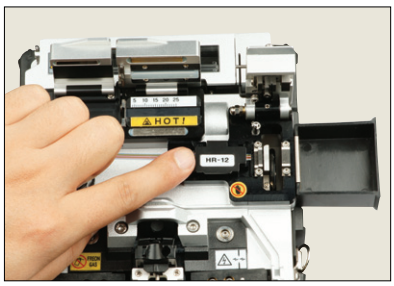
Over 5kg/f Tensile strength of fiber after stripping

- No scratches with heating stripping
- Over one-million cycle motorized
- Strip time : 1.5sec



Cleaning

- One-touch pump type
- Easy to refill cleaning alcohol



Cleaving

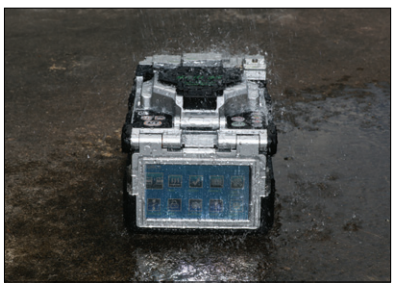
- Single-action cleaving
- Fiber chip collector is attached

Resistant Shock, Dust and Rain

- The splicer with high reliability has stable performance even in a harsh environment
- Shock - Free Fall : 76cm from 5 sides
- Waterproof : IPx2
- Dustproof : IPx5

Powerful Lithium Polymer Battery with Large Capacity

- More than 320 times for full cycling of splicing and sleeving when fully charged.

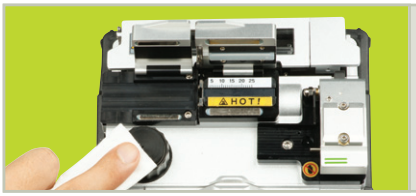


Automatic Execution of Discharge Calibration

- Detects the temperature, the humidity, the pressure for automatically to calibrate the ARC discharge properly.

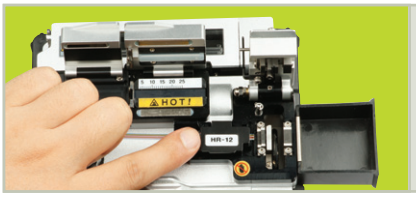
Fiber Stripper

- Over One Million Cycle time Using MAXON DC Motor from Switzerland
- No Crack on the Fiber by Thermal Auto Stripping



Cleaner

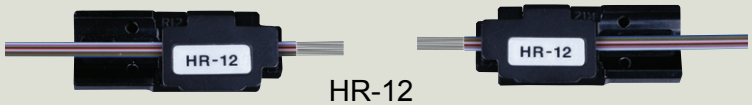
- Easy to Supplement Alcohol
- Cleaning Fiber and V-Groove is Very Important



Cleaving

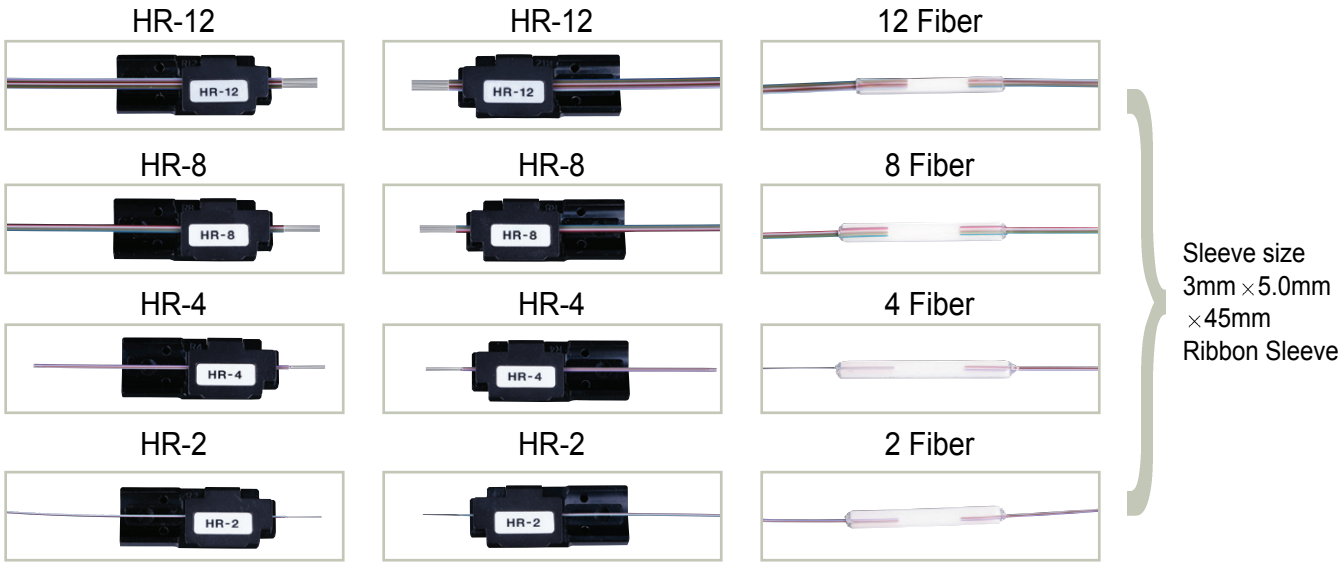
- Single Action Cleave
- Fiber Chip Collector Attached
- Oil Damper System
- Over 1 Million Cleave Life Diamond Blade (Option)

Fiber Holders



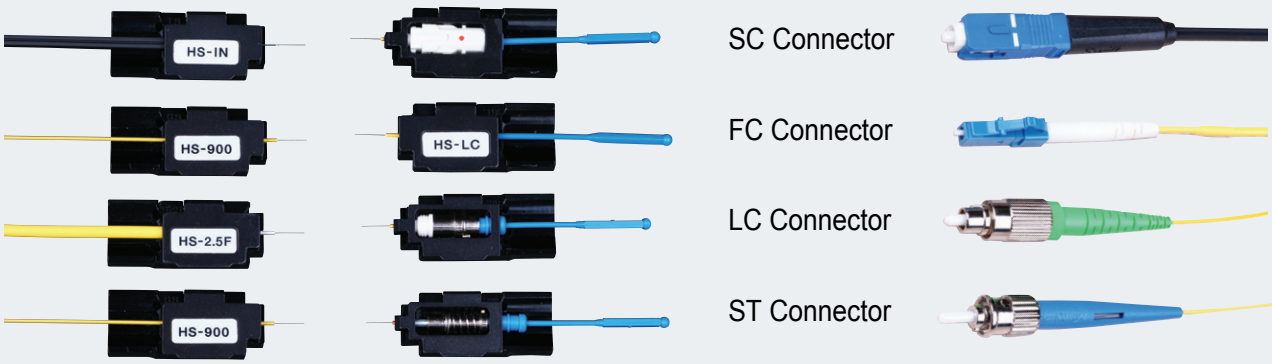
HR-12
HR-4
HR-250
Indoor Cable
HR-8
HR-2
HR-900
HR-IN

Fiber to Fiber Splicing & Fiber Holder Types.



SC Connector - APC, UPC FC Connector - APC, UPC LC Connector - APC, UPC ST Connector - APC, UPC

▣ Refer to Swift SOC Catalog



SPECIFICATIONS

Subject	Description
Applicable type of fibers	SM(ITU-T G.652), MM(ITU-T G.651), DS(ITU-T G.653), NZDS(ITU-T G.655)
Fiber count	Single fiber, 2~12 fiber
Applicable fiber dimensions	Single: Cladding diameter 125㎛, Coating diameter 250, 900㎛ Ribbon: Cladding diameter 125㎛, Ribbon fiber thickness 0.27 to 0.32mm
Fiber setting and cleaved length	8mm
Splicing modes	Splice mode: 100, Heat mode: 50
Typical Splice Loss	SM: 0.05dB, MM: 0.02dB, DS: 0.08dB, NZDS: 0.08dB
Return Loss	> 60dB
Splicing Time	Typical 20sec with standard SM(ITU-T G.652)
Splice loss estimate	Available
Sleeve heating time	35sec
Applicable protection sleeve	45mm(fiber), 28mm or 32mm(connector)
Storage of splice result	The last 1,000 results to be stored in the internal memory.(Image 100 results)
Tension test	2N / 4,4N(Option)
Operating condition	Altitude: 0~3,660m above sea level, Temperature: -10℃~50℃, Humidity: 0~95%, Wind: 15m/s, non-condensing, dust proof, shock proof
Storage condition	Temperature: -40℃~80℃, Humidity: 0~95%
Dimensions	140(W)×225(L)×125(H)mm(Include monitor, rubber)
Weight	2.3kg(Include battery 2ea)
Viewing method and display	Two CMOS cameras and 3.5" color LCD monitor with touch panel
Fiber view and magnification	X/Y : 300X/170X
Power supply	DC 14.8V Battery(7,700mAh), 100 ~ 240V AC Adapter
No. of splice cycles with battery	320cycle, Lithium polymer battery
Electrode life	More than 1,000 times splicing without exchange
Terminals	USB, External power(DC 12V Available for car cigar jack)

STANDARD PACKAGE

Description	Model	Q'ty
Arc Fusion Splicer	R5	1
AC Adapter	S311	1
Sleeve Loader	S312	2
Spare Electrodes	EI-22	1set
Battery Pack	S513	1
Cooling Tray	CT-03	1
Holder	H5-?	Option 1set(2ea)
Tool Box		1
User Manual		1
Carrying Case	Hard Case	1

OPTION PACKAGE

Description	Model
Battery Pack	S513
Cleaver Blade	BI-05
Electrode	EI-22
Fiber Holder	H5-12, H5-10, H5-8, H5-6, H5-4, H5-2, H5-250, H5-900, H5-IN, H5-2.5, H5-SC, H5-FC, H5-LC, H5-ST
Sleeve	R-F40(40mm)
Sleeving Clamp	SC-01
Manual Stripper	MS-01
SOC Connector	Refer to Swift Connector Catalog

STANDARD PACKAGE

OPTION PACKAGE

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Design is subject to change without any notice for the improvement purpose. 2012. 08